



# Federal Communications Commission

Approved by OMB  
3060-0999  
See instructions for  
public burden estimate.

## Hearing Aid Compatibility Status Report (FCC Form 655)

Reporting Period: July 1, 2016 - June 30, 2017

Filing Confirmation Number: 0007817665

Filing Deadline: July 17, 2017

FRN: 0008512311

Filing Date: 06/16/2017 02:20 PM

### General Report Information

#### Type of Company

Device Manufacturer

#### De Minimis Exception

Have you been offering handsets in the United States for at least three years prior to the end of the reporting period? Yes

Date that you began offering handsets in the United States

Are you a small entity? No

Were you a small entity at any time during the three years prior to the end of the reporting period? No

Date that you ceased to be a small entity?

#### Company Information

Company Name: Microsoft Corporation

Brand Names: Microsoft

PO Box:

Street Address: One Microsoft Way

City: Redmond

State: WA

Zip Code: 98052

Contact Name: Ann Marie Rohaly

Contact Phone: (425) 722-0689

Contact Fax:

Contact Email: annmarie.rohaly@microsoft.com

#### Filing Agent

Is this report being filed by an agent on behalf of a manufacturer or service provider? No

#### Product Labeling

Do all hearing aid-compatible handsets include labeling? Yes

Explain:

Do all hearing aid-compatible handsets that were tested under ANSI C63.19-2007, and that are capable of voice communication over any air interface or frequency band that does not have hearing aid compatibility technical standards under ANSI C63.19-2007, include the required language disclosing that the handset has not been rated for

hearing aid compatibility with respect to such operation?

N/A

Explain:

Do all hearing aid-compatible handsets that were certified only under ANSI C63.19-2007, but that the manufacturer also tested and found not to meet hearing aid compatibility requirements under ANSI C63.19-2011 for one or more operations that are not covered under ANSI C63.19-2007, include language informing users by clear and effective means that the handset does not meet the relevant rating or ratings with respect to such operation(s)?

N/A

Explain:

Do all handsets that are capable of use for Voice over LTE, and that were certified for inductive coupling capability under ANSI C63.19-2011 without being tested for inductive coupling capability over VoLTE, include language disclosing that they were not tested with respect to this operation?

Yes

Explain:

Do all handsets that meet the criteria for an M3 rating by allowing the user to reduce the maximum power for GSM operation in the 1900 MHz band include the required disclosure?

Explain:

## Public Website

Does your company maintain a public website describing all hearing aid-compatible models, the ratings of those models, and an explanation of the rating system? Service provider websites must include the levels of functionality that the service provider has defined, the level that each hearing aid-compatible model falls under, and an explanation of how the functionality of the handsets varies at the different levels. Yes

Website address: <https://www.microsoft.com/en/mobile/accessibility/hearing-aid-compatibility/>

Explain:

## Consumer Outreach

Describe consumer outreach efforts in the past 12 months: Information on products' accessibility features including hearing loss-specific online information is available from the following sources:

<https://www.microsoft.com/en-us/mobile/phones/>

<http://www.microsoft.com/en/mobile/accessibility/>

<http://www.gari.info/>

The main advocacy support and organizational participation:

- CTIA
- MWF (formerly MMF)
- TIA

Key customer events: keynote speeches, panel participation, customer sessions

- 2016: Coleman Institute, Closing the Gap
- 2017: CSUN, M-Enabling Summit, Cerebral Palsy Foundation Gala

Microsoft also works with advocacy groups to actively explore future technologies, solutions, and advances in device features for our customers with disabilities. For example,

- held an onsite summit with members of the World Blind Union at our corporate headquarters in October 2016
- continued our partnership with the American Council of the Blind to advance the accessibility of information and communications technologies

Customer care

In addition to training customer care representatives, Microsoft personnel are available to answer questions and offer assistance through:

- Twitter, <https://twitter.com/MSFTaccess>, <https://twitter.com/MSFTEnable>

- Direct email addresses included on our websites
- Direct phone numbers and email addresses to our offices in print materials
- Dedicated website addressing accessibility, <http://www.microsoft.com/en/mobile/accessibility/>
- Disability Answer Desk, <https://support.microsoft.com/en-us/answerdesk/accessibility>

## Hearing Aid Testing

How many handset models were tested for hearing aid compatibility during the reporting period? 0

## Report Remarks

You have reported the following handset model summary information.

Total number of handsets offered: 9

Air Interface	Fully Hearing Aid Compatible		Acoustic Coupling Compatible Only		Non-Compliant Handsets		Total by Air Interface
	Number	Percent	Number	Percent	Number	Percent	
GSM	8	89%			1	11%	9
WCDMA	8	89%			1	11%	9
LTE	8	100%					8
Wi-Fi	8	89%			1	11%	9

## Handset 1: Microsoft Lumia 550

### Handset Maker

Microsoft

### Handset Model Name

Lumia 550

### FCC ID

PYARM-1128

### Air Interfaces/Frequency Bands

850 MHz GSM  
850 MHz WCDMA  
850 MHz LTE  
1700 MHz WCDMA  
1700 MHz LTE  
1900 MHz GSM  
1900 MHz WCDMA  
1900 MHz LTE  
2.5 GHz LTE  
750 MHz LTE  
2450 MHz Wi-Fi

### Dates

This handset model was offered from: 07/16 to 12/16

### Ratings

M-Rating: M3

M-Rating Certification Date: 10/22/15

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 10/22/15

Version of the ANSI C63.19 standard used during the certification process: 2011

## Remarks

## Handset 2: Microsoft Lumia 640XL(a)

### Handset Maker

Microsoft

### Handset Model Name

### FCC ID

Lumia 640XL(a)

PYABBB

### Air Interfaces/Frequency Bands

850 MHz GSM

850 MHz WCDMA

1900 MHz GSM

1900 MHz WCDMA

2.4 GHz Wi-Fi

### Dates

This handset model was offered from: 09/16 to 11/16

### Ratings

M-Rating:

M-Rating Certification Date:

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process:

T-Rating:

T-Rating Certification Date:

Version of the ANSI C63.19 standard used during the certification process:

## Remarks

This device was marketed as the "Microsoft Lumia 640XL". The (a) designation is included solely for the purpose of filing this report, as per instructions from FCC staff, to distinguish this device from another device also marketed as the Microsoft Lumia 640XL, which is listed in this report as the Microsoft Lumia 640XL(b).

### Handset 3: Microsoft Lumia 640XL(b)

#### Handset Maker

Microsoft

#### Handset Model Name

Lumia 640XL(b)

#### FCC ID

PYARM-1063

#### Air Interfaces/Frequency Bands

700 MHz LTE  
850 MHz GSM  
850 MHz WCDMA  
850 MHz LTE  
1700 MHz LTE  
1900 MHz GSM  
1900 MHz WCDMA  
1900 MHz LTE  
2.4 GHz Wi-Fi  
2600 MHz LTE

#### Dates

This handset model was offered from: 07/16 to 12/16

#### Ratings

M-Rating: M3

M-Rating Certification Date: 02/12/15

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 02/12/15

Version of the ANSI C63.19 standard used during the certification process: 2011

#### Remarks

This device was marketed as the "Microsoft Lumia 640XL". The (b) designation is included solely for the purpose of filing this report, as per instructions from FCC staff, to distinguish this device from another device also marketed as the Microsoft Lumia 640XL, which is listed in this report as the Microsoft Lumia 640XL(a).

### Handset 4: Microsoft Lumia 650(a)

#### Handset Maker

Microsoft

#### Handset Model Name

Lumia 650(a)

#### FCC ID

PYARM-1150

#### Air Interfaces/Frequency Bands

850 MHz GSM  
850 MHz WCDMA

850 MHz LTE  
1700 MHz WCDMA  
1700 MHz LTE  
1900 MHz GSM  
1900 MHz WCDMA  
1900 MHz LTE  
2.5 GHz LTE  
750 MHz LTE  
2450 MHz Wi-Fi

#### Dates

This handset model was offered from: 09/16 to 12/16

#### Ratings

M-Rating: M4

M-Rating Certification Date: 01/08/16

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 01/08/16

Version of the ANSI C63.19 standard used during the certification process: 2011

#### Remarks

This device was marketed as the "Microsoft Lumia 650". The (a) designation is included solely for the purpose of filing this report, as per instructions from FCC staff, to distinguish this device from another device also marketed as the Microsoft Lumia 650, which is listed in this report as the Microsoft Lumia 650(b).

### Handset 5: Microsoft Lumia 650(b)

#### Handset Maker

Microsoft

#### Handset Model Name

#### FCC ID

Lumia 650(b)

PYARM-1154

#### Air Interfaces/Frequency Bands

850 MHz GSM  
850 MHz WCDMA  
850 MHz LTE  
1700 MHz WCDMA  
1700 MHz LTE  
1900 MHz GSM  
1900 MHz WCDMA  
1900 MHz LTE  
2.5 GHz LTE  
2450 MHz Wi-Fi  
2600 MHz LTE

#### Dates

This handset model was offered from: 07/16 to 12/16

### Ratings

M-Rating: M4

M-Rating Certification Date: 02/04/16

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 02/04/16

Version of the ANSI C63.19 standard used during the certification process: 2011

### Remarks

This device was marketed as the "Microsoft Lumia 650". The (b) designation is included solely for the purpose of filing this report, as per instructions from FCC staff, to distinguish this device from another device also marketed as the Microsoft Lumia 650, which is listed in this report as the Microsoft Lumia 650(a).

## Handset 6: Microsoft Lumia 950(a)

### Handset Maker

Microsoft

### Handset Model Name

### FCC ID

Lumia 950(a)

PYARM-1105

### Air Interfaces/Frequency Bands

850 MHz GSM  
850 MHz WCDMA  
850 MHz LTE  
1700 MHz WCDMA  
1700 MHz LTE  
1900 MHz GSM  
1900 MHz WCDMA  
1900 MHz LTE  
2.5 GHz LTE  
5.0 GHz Wi-Fi  
750 MHz LTE  
2300 MHz LTE  
2450 MHz Wi-Fi

### Dates

This handset model was offered from: 07/16 to 03/17

### Ratings

M-Rating: M4

M-Rating Certification Date: 11/04/15

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user

optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 11/04/15

Version of the ANSI C63.19 standard used during the certification process: 2011

#### Remarks

This device was marketed as the "Microsoft Lumia 950". The (a) designation is included solely for the purpose of filing this report, as per instructions from FCC staff, to distinguish this device from another device also marketed as the Microsoft Lumia 950, which is listed in this report as the Microsoft Lumia 950(b).

### Handset 7: Microsoft Lumia 950(b)

#### Handset Maker

Microsoft

#### Handset Model Name

#### FCC ID

Lumia 950(b)

PYASTT

#### Air Interfaces/Frequency Bands

850 MHz GSM  
850 MHz WCDMA  
850 MHz LTE  
1700 MHz WCDMA  
1700 MHz LTE  
1900 MHz GSM  
1900 MHz WCDMA  
1900 MHz LTE  
2.5 GHz LTE  
5.0 GHz Wi-Fi  
750 MHz LTE  
2450 MHz Wi-Fi

#### Dates

This handset model was offered from: 07/16 to 05/17

#### Ratings

M-Rating: M4

M-Rating Certification Date: 11/11/15

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user



optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 11/11/15

Version of the ANSI C63.19 standard used during the certification process: 2011

#### Remarks

This device was marketed as the "Microsoft Lumia 950". The (b) designation is included solely for the purpose of filing this report, as per instructions from FCC staff, to distinguish this device from another device also marketed as the Microsoft Lumia 950, which is listed in this report as the Microsoft Lumia 950(a).

### Handset 8: Microsoft Lumia 950XL(a)

#### Handset Maker

Microsoft

#### Handset Model Name

#### FCC ID

Lumia 950XL(a)

PYARM-1116

#### Air Interfaces/Frequency Bands

850 MHz GSM  
850 MHz WCDMA  
850 MHz LTE  
1700 MHz WCDMA  
1700 MHz LTE  
1900 MHz GSM  
1900 MHz WCDMA  
1900 MHz LTE  
2.5 GHz LTE  
5.0 GHz Wi-Fi  
750 MHz LTE  
2450 MHz Wi-Fi

#### Dates

This handset model was offered from: 07/16 to 05/17

#### Ratings

M-Rating: M4

M-Rating Certification Date: 10/27/15

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user

optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 10/27/15

Version of the ANSI C63.19 standard used during the certification process: 2011

### Remarks

This device was marketed as the "Microsoft Lumia 950XL". The (a) designation is included solely for the purpose of filing this report, as per instructions from FCC staff, to distinguish this device from another device also marketed as the Microsoft Lumia 950XL, which is listed in this report as the Microsoft Lumia 950XL(b).

## Handset 9: Microsoft Lumia 950XL(b)

### Handset Maker

Microsoft

### Handset Model Name

### FCC ID

Lumia 950XL(b)

PYARM-1085

### Air Interfaces/Frequency Bands

850 MHz GSM  
850 MHz WCDMA  
850 MHz LTE  
1700 MHz WCDMA  
1700 MHz LTE  
1900 MHz GSM  
1900 MHz WCDMA  
1900 MHz LTE  
2.5 GHz LTE  
5.0 GHz Wi-Fi  
750 MHz LTE  
2450 MHz Wi-Fi

### Dates

This handset model was offered from: 10/16 to 12/16

### Ratings

M-Rating: M3

M-Rating Certification Date: 10/05/15

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user

optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911? N

Version of the ANSI C63.19 standard used during the certification process: 2011

T-Rating: T4

T-Rating Certification Date: 10/05/15

Version of the ANSI C63.19 standard used during the certification process: 2011

### Remarks

This device was marketed as the "Microsoft Lumia 950XL". The (b) designation is included solely for the purpose of filing this report, as per instructions from FCC staff, to distinguish this device from another device also marketed as the Microsoft Lumia 950XL, which is listed in this report as the Microsoft Lumia 950XL(a).

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## Certification

### This Report has been certified by:

Ann Marie Rohaly PhD Director, Regulatory Affairs  
06/16/2017 02:20 PM